

WHAT IS CLAIMED IS:

1. A picked-up image managing device comprising:

5       picked-up image storing means for storing items of  
picked-up image data and items of image picking-up  
position data associated with the items of picked-up  
image data;

      grouping means for classifying the items of  
picked-up image data stored in said picked-up image  
storing means into at least one group; and

10       group name determining means for determining a  
group name of the group based on at least one item of  
the items of image picking-up position data stored in  
said picked-up image storing means and associated with  
the items of picked-up image data of the group.

15       2. The device according to claim 1, further  
comprising:

      image picking-up means for picking-up an image of  
an object and outputting the items of picked-up image  
data; and

20       image picking-up position acquiring means for  
acquiring image picking-up positions of the items of  
picked-up image data outputted from said image picking-  
up means and outputting the items of the image picking-  
up position data, and

25       wherein said picked-up image storing means stores  
the items of picked-up image data output from said  
image picking-up means and the items of image

picking-up position data outputted from said image picking-up position acquiring means and associated with the items of picked-up image data.

5 3. The device according to claim 1, further comprising group name display controlling means for displaying the group name determined by said group name determining means on display means.

10 4. The device according to claim 1, further comprising storage controlling means for storing the group name determined by said group name determining means in said picked-up image storing means, in associated with the items of picked-up image data of the group.

15 5. The device according to claim 4, wherein said storage controlling means comprises means for storing the group name in said picked-up image storing means as a folder name.

20 6. The device according to claim 1, further comprising name storing means for storing items of position data and items of name data associated with the items of position data, and wherein

25 said group name determining means identifies one of the items of name data stored in said name storing means, based on at least one of the items of image picking-up position data stored in said picked-up image storing means and associated with the items of picked-up image data of the group, and on the items of

position data stored in said name storing means, and determines the identified item as the group name of the group.

5           7. The device according to claim 6, wherein  
said name storing means comprises means for  
storing items of area data and the items of name data  
associated with the items of area data; and

10           said group name determining means identifies one  
of the items of name data stored in said name storing  
means, based on the items of image picking-up position  
data stored in said picked-up image storing means and  
associated with the items of picked-up image data of  
the group, and on the items of area data stored in said  
name storing means, and determines the identified item  
15 as the group name of the group.

20           8. The device according to claim 6, further  
comprising file name determining means for identifying  
one of the items of name data stored in said name  
storing means, based on the item of image picking-up  
position data stored in said picked-up image storing  
means and associated with the item of picked-up image  
data, and on the items of position data stored in said  
name storing means, and determines the identified item  
as the file name of the picked-up image data.

25           9. The device according to claim 1, wherein  
said picked-up image storing means stores the item  
of image picking-up position data and the item of

picked-up image data which are associated with an item of image picking-up date-and-time data; and

5       said group name determining means determines the group name of the group, based on an item of image picking-up position data stored and associated with an item of picked-up image data having the oldest image picking-up date-and-time value, of all the items of picked-up image data of the group.

10       10. The device according to claim 1, wherein said group name determining means determines the group name of the group based on the items of image picking-up position data stored in said picked-up image storing means and associated with the items of picked-up image data of the group.

15       11. The device according to claim 10, wherein said group name determining means determines the group name of the group based on average image picking-up position data obtained by averaging the items of image picking-up position data stored and associated with the items of picked-up image data of the group.

20       12. The device according to claim 1, further comprising name storing means for storing items of area data and items of name data associated with the items of area data, and wherein

25       said grouping means classifies the items of picked-up image data stored in said picked-up image storing means and associated with the items of image

picking-up position data included in an area identified by the item of area data stored in said name storing means.

13. The device according to claim 12, wherein said group name determining means determines, as the group name of the group, an item of the name data stored in said name storing means and associated with the item of area data used for classifying made by said grouping means.

14. The device according to claim 1, wherein said grouping means classifies the items of picked-up image data stored in said picked-up image storing means, based on whether or not a distance between each pair of items of image picking-up position data stored in said picked-up image storing means is greater than a predetermined value.

15. The device according to claim 14, further comprising distance setting means for setting the predetermined value, based on a distribution pattern of distance between each pair of items of image picking-up position data.

16. The device according to claim 1, further comprising picked-up image selecting means for selecting arbitral items of the items of picked-up image data stored in said picked-up image storing means, and wherein

said grouping means classifies the arbitral items

selected by said picked-up image selecting means into the group.

17. The device according to claim 16, further comprising:

5           map storing means for storing a map; and  
          map display controlling means for displaying the map stored in said map storing means on display means, and wherein

          said picked-up image selecting means comprises  
10       scope specifying means for manually specifying a desired scope on the map displayed on the displaying means by said map display controlling means; and

          said grouping means classifies into the group the items of picked-up image data stored in said picked-up  
15       image data storing means and associated with the items of image picking-up position data included in the desired scope specified by said scope specifying means.

18. The device according to claim 17, further comprising symbol display controlling means for  
20       displaying a symbol indicating an image picking-up position at a place on the map identified by said image picking-up position data stored in said picked-up image storing means.

19. The device according to claim 1, further  
25       comprising:

          map storing means for storing a map;  
          map display controlling means for displaying the

map stored in said map storing means on display means;  
and

5        symbol display controlling means for displaying a  
symbol at a place on the map determined based on at  
least one of the items of image picking-up position  
data stored in said picked-up image storing means and  
associated with the items of picked-up image data of  
the group.

20        20. The device according to claim 19, wherein said  
symbol display controlling means comprises means for  
displaying on the map the group name determined by said  
group name determining means together with the symbol.

25        21. The device according to claim 19,  
wherein said symbol display controlling means  
displays symbols at places on the map, each of said  
places being determined based on at least one of the  
items of image picking-up position data stored in said  
picked-up image storing means and associated with the  
items of picked-up image data of the group,

30        which further comprises symbol selecting means for  
selecting one of the symbols displayed on the map by  
said symbol display controlling means, and

35        second symbol display controlling means for  
displaying symbols at places on the map identified by  
the items of image picking-up position data stored in  
said picked-up image storing means and associated with  
the items of picked-up image data included in a group

corresponding to the symbol selected by said symbol selecting means.

22. The device according to claim 1, further comprising:

5           map storing means for storing a map;  
          map display controlling means for displaying the map stored in the map storing means on displaying means; and

          symbol display controlling means for displaying  
10       symbols at places on the map identified by the items of image picking-up position data stored in said picked-up image storing means and associated with the items of picked-up image data of the group.

23. The device according to claim 22, wherein said  
15       symbol display controlling means comprises means for displaying on the map the group name determined by said group name determining means together with the symbols.

24. A method of determining a group name of picked-up images, comprising:

20       step of classifying items of picked-up image data into at least one group; and

          step of determining a group name of the group based on at least one of items of image picking-up position data of the group.

25       25. A picked-up image managing device comprising:

          a memory which stores items of picked-up image data and items of image picking-up position data

associated with the items of picked-up image data; and

a controller which classifies the items of picked-up image data stored in said memory into at least one group and determines a group name of the group based on  
5 at least one item of the items of image picking-up position data stored in said memory and associated with the items of picked-up image data of the group.

26. An article of manufacture comprising a computer usable medium having a computer readable  
10 program code for determining a group name of picked-up images embodied therein, the computer readable program code comprising:

a computer readable program code for causing a computer to classify items of picked-up image data into  
15 at least one group; and

a computer readable program code for causing a computer to determine a group name of the group based on at least one item of the items of image picking-up position data associated with the items of picked-up  
20 image data of the group.